

APR 21 1988

SITE Elliott Shooting Park  
ID# MOB980968333  
BREAK 13  
OTHER 4-21-88

07B5

Gregory and Elizabeth Burr  
7509 Crescent Drive  
Raytown, Missouri 64138

40164313



SUPERFUND RECORDS

Dear Mr and Mrs Burr

Enclosed are analytical data on surface soil samples collected by a contractor to the Environmental Protection Agency (EPA) from your property and surrounding properties. These data are provided to the property owners, for their information, as required by the Comprehensive Environmental Response, Compensation and Liability Act ("Superfund"), as amended by the Superfund Amendments and Reauthorization Act.

The EPA has been monitoring the cleanup at the Elliott Shooting Park, where surface soils had been found to contain lead as a result of the deposition of lead shot. The EPA had received information that, in years past, the shooting park may have been larger than it is now. The purpose of this sampling was to determine if the properties surrounding Elliott Shooting Park in your neighborhood were contaminated with lead as a result of lead shot deposition.

The enclosed analytical data indicates no above background lead contamination of offsite soils. (Lead is a natural constituent of many soils at nontoxic levels commonly referred to as "background".) Samples NOP5B005/06D were collected from surface soils on your property. The available data indicate that the properties surrounding the shooting park do not contain lead in toxic or above background concentrations.

The samples collected for EPA were also analyzed for other metals, including arsenic. In our review of these data we noted that several soil samples contained above background levels of arsenic. (Background for arsenic in soils is approximately 5-20 parts per million, "ppm".) Samples NOPL5B005/06D2, collected from your property, contained 190 and 230 ppm arsenic. Although these levels of arsenic are above background, we do not believe these concentrations pose an unacceptable threat to human health. We have consulted with the Federal Agency for Toxic Substances and Disease Registry (ATSDR) and have been advised by ATSDR that environmental cleanups of arsenic-contaminated sites have accepted higher levels of arsenic in surface soils than the highest level reported in these samples (230 ppm).

MSIW SPFD SCOM DCRAWFORD ym X679 Crawford's Disk #2 espasdt  
CRAWFORD SKOWRONSKI WURTZ RITTER ALDERMAN BRAECKEL SMITH MORBY  
SCOM ATSDR PBAF GIGL TOPE CNSL SCOM SPFD

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We have also reviewed the existing data on the Elliott Shooting Park and relevant literature regarding the presence of arsenic in lead shot. The available data and literature indicate that the shooting park and lead shot are probably not the source of the above background concentrations of arsenic reported in these samples. A more probable source of the arsenic would be past uses of arsenic compounds in the area as pesticides or herbicides. In the past arsenic compounds have been used for weed control, on fruit trees and to treat wood fence posts. Currently there are no arsenic compounds approved for use as herbicides or pesticides by EPA. Any pesticide-related concentrations of arsenic in environmental samples would therefore probably be the result of past applications. Arsenic is environmentally persistent and may be found in the environment many years after it has last been used.

Thank you for your cooperation in allowing EPA to collect samples from your property. In summary, EPA does not feel that the reported levels of arsenic or lead found in the offsite soil samples pose an unacceptable threat to health or the environment. However, if you have any additional questions please contact me at 236-2856. If you have any questions about health-related matters, you may also contact the ATSDR Regional Health Advisors, Ed Skowronski or Dave Parker, at 236-2856.

Sincerely yours,

David V. Crawford  
Remedial Project Manager  
Waste Management Division  
Superfund Compliance

encl analytical data on NOP5B

cc William Dexter, Vice-President, Boatman's Raytown Bank  
Mary Erlo, Burns & McDonnell  
Keith Schardein, Missouri Department of Natural Resources  
Gary Lynn, Chairman Raytown Zoning & Planning Commission  
Gene Yoekum, Director, Raytown Public Works

bcc Gerhard Braeckel, CNSL  
Rowena Michaels, PBAF  
Steve Wurtz, PBAF  
Ron Ritter, CIGL  
Paul Doherty, ENSV SINV  
Jerry McKinney, ENSV LABO  
Russ Krohn, Tetra Tech  
Jill Biesma, Jacobs Engineering  
Ed Skowronski, ATSDR  
Larry Sheridan, WATR